

CUBEX



ANGULAR MEASUREMENT FOR

Displays

R&D

Standards Compliance Tests

Mass Production



**PRELIMINARY
SPECIFICATIONS**

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

CUBEX

TECHNOLOGY		Multi-spectral angular mapping
MULTI-SPECTRAL SENSORS POSITION		136
WAVELENGTH		390-730 nm
VIEWING ANGLE	Incident Angle Azimuth Angle	±60° 0-360°
WORKING DISTANCE		12.5 mm
SPOT SIZE		12 mm
HIGH RESOLUTION SPECTROMETER	Type On axis spectrometer Resolution On axis spectrometer Optical Resolution	On-axis 2 nm 10 nm
PERFORMANCES	Angular map resolution Angular Accuracy Luminance Range	1° 0,1° 0.1 - 100 000 Cd/m²
ACCURACY	Proximity sensor / Setup accuracy Chromaticity (x, y) Accuracy Chromaticity (x, y) Repeatability Luminance Accuracy Luminance Repeatability	3 TOF sensors / 0.5° tip & tilt accuracy 0.002 for A Type illuminant 0,0001 2% 0,02%
TAKT TIME	Measurement (full map)	< 2s typical
USING CONDITIONS	Ethernet Wifi & USB Temperature range Humidity range Weight Outer Dimension (L x W x H)	1 Gbit/s Yes 10°C to +40°C 0 to 85% non condensing 6.35 kg 165mm x 165mm x 150mm

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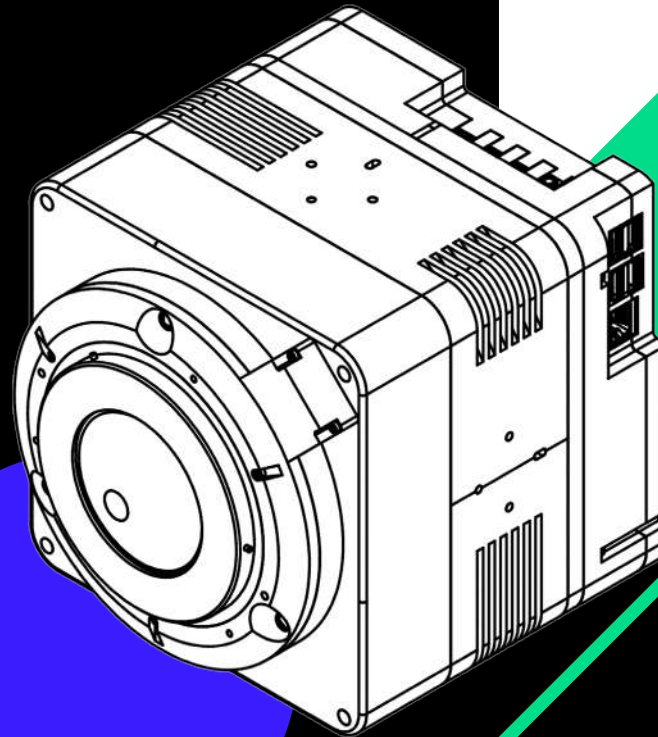


CUBEX

MULTI ANGLE SPECTRAL MEASUREMENT

Over 130 points measured in 0.5 s

With 0.002 color accuracy



With a combination of a 12.5mm working distance and proximity sensors imbedded in this system, it is very safe to add this model on any kind of mass production line.

The measurement takt time of that equipment is less than 2 seconds, and all the data can be transferred by an ethernet cable or WIFI. This equipment is customizable, up to ~6-10 spectral measurement points at different angles of incidence and azimuth, depending on the case and customer demand.

CubeX comes with a simple web user interface available through web browser for various support (PC, tablet, smartphone).

Dedicated API is also provided to allow customer's own programming.

COMPACT

Easy implementation
Perfectly adapted
to mass production

PROXIMITY SENSOR

Working distance safety

